

ABSTRACT

The invention relates to a microfluidic system, in particular in a cell sorter, including a first carrier power supply (1) which is used to supply a first carrier flow having particles (4) suspended therein, a first carrier power output line (15) which is used to withdraw at least one part of the carrier flow having particles (4) suspended therein, a process chamber (3) which is used to examine, observe, manipulate and/or select the particle (4). The first carrier power supply (1) flows into the process chamber (3) when the first carrier power output line (15) is discharged from the process chamber (3). According to the invention, at least one second carrier power supply (2) flows into the process chamber (3) in order to supply a second carrier flow having particles (5) suspended therein. The invention also relates to a corresponding operational method.